

**Appl. No. : Unknown**  
**Filed : Herewith**

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1-36. (Canceled)

37. (New) A dental abutment for supporting a dental prosthesis on a dental implant, the abutment comprising:

an upper region comprising a bottom surface;

an interlock region extending below the bottom surface comprising a non-threaded cylindrical portion and plurality of semi-circular protrusions arranged around a periphery of the cylindrical portion, wherein the cylindrical portion has a first radius and the protrusions have a second radius, a ratio of the first radius to the second radius being between approximately 4:1 and approximately 2:1 and wherein the interlock region has a length measured from the bottom surface that is equal to a first distance; and

a non-threaded post extending below the interlock region; the post having a length measured from the bottom surface that is equal to a second distance.

38. (New) The dental abutment according to Claim 37, wherein the ratio of the first radius to the second radius is approximately 3:1.

39. (New) The dental implant according to Claim 37, wherein the first distance is greater than 1 millimeter.

40. (New) The dental abutment according to Claim 37, wherein the abutment further comprises an inner bore.

41. (New) The dental abutment according to Claim 40, wherein inner bore includes a first region and a second region, the first region being positioned below the second region and having a diameter smaller than the first region.

42. (New) The dental abutment according to Claim 41, wherein inner bore includes a seat formed between the first and second regions.

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43. (New) The dental abutment according to Claim 42, wherein the second region includes capture threads.

44. (New) The dental abutment according to Claim 43, wherein the capture threads are double threaded.

45. (New) The dental abutment according to Claim 37, wherein the second distance is greater than approximately 3 millimeters.

46. (New) The dental abutment according to Claim 45, wherein the first distance is greater than 1 millimeter.

47. (New) The dental abutment according to Claim 37, wherein the three protrusions are arranged around the perimeter of the interlock region such that each of the protrusions are approximately 120 degrees apart from one another.

48. (New) The dental abutment according to Claim 37, wherein the bottom surface of the abutment has a third radius and a ratio of the third radius to the second radius being between approximately 5:1. and 4:1.

49. (New) The dental abutment according to Claim 48, wherein the ratio of the third radius to the second radius is approximately 4.5:1.

50. (New) A prosthodontic component for mating with a dental implant, comprising:  
an upper region comprising a bottom surface;  
an interlock region extending below the bottom surface comprising a non-threaded cylindrical portion and plurality of semi-circular protrusions arranged around a periphery of the cylindrical portion, wherein the cylindrical portion has a first radius and the protrusions have a second radius, a ratio of the first radius to the second radius being between approximately 4:1. and approximately 2:1 and wherein the interlock region has a length measured from the bottom surface that is equal to a first distance; and

a non-threaded post extending below the interlock region; the post having a length measured from the bottom surface that is equal to a second distance.

51. (New) A prosthodontic component as in Claim 50, wherein the upper region is configured to support a final restoration